

# EUROPEAN PATENT OFFICE

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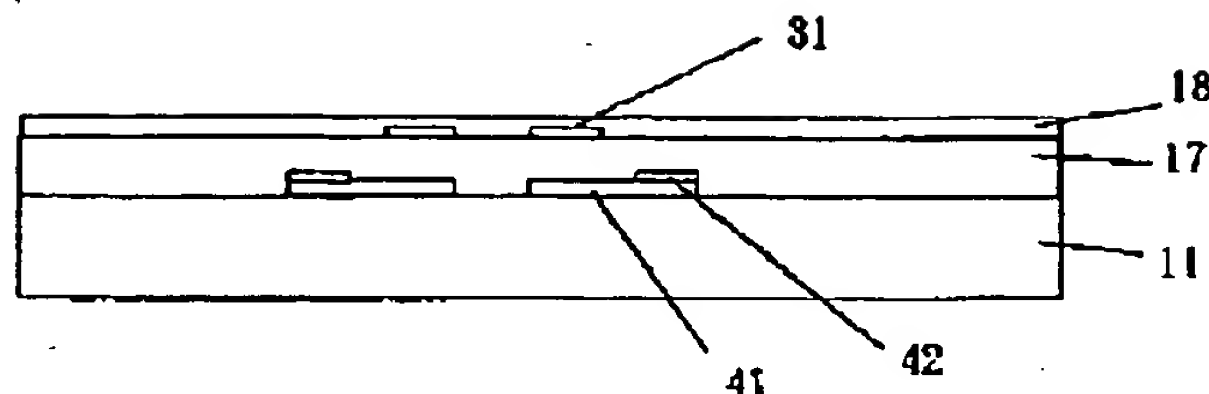
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APPLICANT : FUJITSU LTD;

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TITLE : PLASMA DISPLAY PANEL



**ABSTRACT :** **PROBLEM TO BE SOLVED:** To reduce the discharge starting voltage between main discharge electrodes by arranging an insular conductor on each of a pair of discharge electrodes through a dielectric layer, and generating a discharge between the insular conductors prior to the main discharge by the discharge electrode pair.

**SOLUTION:** A pair of insular float electrodes 31 are formed on the transparent conductive film 41 of each sustain electrode through a dielectric layer 17, projection parts are provided on the opposed surfaces thereof, and a discharge is generated prior to the main discharge between the sustain electrodes to control the charges on the surface of the dielectric layer 17. A protecting film 18 is formed on the float electrodes 31 and the dielectric layer 17. When a voltage is applied to the sustain electrodes, charges are induced on the surface of the dielectric layer 17, and charge of the opposite polarity are induced on the dielectric layer 17 side of the float electrodes 31. Further, the opposite charges are induced on the opposite side of the float electrodes 31 and collected to the projection part along the electric field to form a high electric field near the projection part, so that discharge is easily caused. After the discharge is generated between the float electrodes 31, the main discharge is generated between the sustain electrodes.

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